

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT          BY APPLICANT</b>  (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. RDINS.033A	APPLICATION NO. 09/128,422
	APPLICANT Brumley, B.H., et al.	
	FILING DATE August 4, 1998	GROUP <del>3642</del> 3642

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
23	5,208,785	05/04/93	Brumley, et al.	367	90	

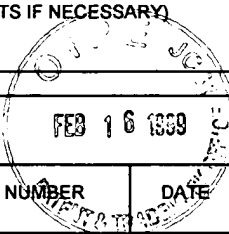
## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)		
23	A	Glad, I.K., et al. (1992) The maximum-likelihood property of estimators of wave parameters from heave, pitch, and roll buoys. American Meteorological Society V.9:169-173	
23	B	Hashimoto, N., et al. (1996) Improvement of submerged Doppler-type directional wave meter and its application to field observations. Coastal Engineering 629-642	
23	C	Herbers, T.H., et al. (1991) Field Verification of Acoustic Doppler Surface Gravity Wave Measurements. Journal of Geophysical Research V.96, No.C9:17,023-17,035	
23	D	Krogstad, H.E., et al. (1988) High-resolution directional wave spectra from horizontally mounted acoustic Doppler current meters. Journal of Atmospheric and Oceanic Technology V.5, No.4:340-352	
23	E	Pinkel, R., et al. (1987) Open ocean surface wave measurement using Doppler sonar. Journal of Geophysical Research V.92, No.C12:12,967-12,973	
23	F	Smith, J.A. (1989) Doppler sonar and surface waves: range and resolution. Journal of Atmospheric and Oceanic Technology V6:680-696	

EXAMINER <i>D. Phil</i>	DATE CONSIDERED 11-2-99
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

<b>FORM PTO-1449</b> <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE STATEMENT</b> <b>BY APPLICANT</b>  (USE SEVERAL SHEETS IF NECESSARY)	<b>ATTY. DOCKET NO.</b> RDINS.033A	<b>APPLICATION NO.</b> 09/128,422
	<b>APPLICANT</b> Brumley, B.H., et al.	
	<b>FILING DATE</b> August 4, 1998	<b>GROUP</b> <del>9642</del> 3662

<div style="text-align: center;">  <b>U.S. PATENT DOCUMENTS</b> </div>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
26	G	Smith, J.A., et al. (1995) Directional surface wave estimates from Doppler sonar data. Journal of Atmospheric and Oceanic Technology V.12:617-632 ✓
26	H	Stockhausen, W.T. (1994) Directional wave spectra using an acoustic doppler current profiler. A Thesis. Library of the Virginia Institute of Marine Science ✓
26	I	Takayama, T., et al. (1994) Development of a submerged Doppler-type directional wave meter. Coastal Engineering C.46:624-634
26	J	Terray, E.A., et al. (1990) Measuring wave direction using upward-looking Doppler sonar. Proceedings of the IEEE Fourth Working Conference on Current Measurement 1-6 and Fig.1-Fig.4 ✓
26	K	Terray, E., et al. (1997) Measuring wave height and direction using upward-looking ADCPs. IEEE Oceans '97 1-4 ✓
26	L	Visbeck, M., et al. (1995) Sea surface conditions remotely sensed by upward-looking ADCPs. Journal of Atmospheric and Oceanic Technology V12:141-149
26	M	Zedel, L. (1994) Deep ocean wave measurements using a vertically oriented sonar. Journal of Atmospheric and Oceanic Technology V.11:182-191 ✓

EXAMINER <i>Don Phelan</i>	DATE CONSIDERED 11-2-99
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	